

864 Text Message

Functional Group ID= **TX**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data content of the Text Message Transaction Set (864) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide users with a capability to electronically move messages, contracts, explanations, and other one-time communications. It is the intent of this transaction set to provide electronic communication (messages) for people, not for computer processing. The use of the transaction set to transmit quasi or unique transaction set standards is discouraged. The use of the Text Message transaction set demands of the sender certain detailed information about the recipient. The transaction set's purpose is to provide communication to the recipient in some human-readable form. The recipient's network will dictate what capabilities are available for delivery of the information. It is the responsibility of the sender to obtain this information and include it in the transmission.

Notes:

- 1. This transaction set can be used by private industry and federal agencies to exchange text information (questions, clarifications, data, etc.) relating to solicitations, proposals, awards, invoices, material safety data sheets, etc.*
- 2. When used in conjunction with another transaction set, e.g., an 843 Response to Request for Quotation, the unique reference number of the related transaction set must be cited in the 1/REF/080 segment.*

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BMG	Beginning Segment For Text Message	M	1		
	030	DTM	Date/Time Reference	O	10		
LOOP ID - N1						200	
	040	N1	Name	O	1		
	050	N2	Additional Name Information	O	2		
	060	N3	Address Information	O	2		
	070	N4	Geographic Location	O	1		
	080	REF	Reference Numbers	O	12		
	090	PER	Administrative Communications Contact	O	3		

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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864 Text Message

Must Use	010	MIT	LOOP ID - MIT			>1
			Message Identification	M	1	
Not Used	020	N1	LOOP ID - N1			200
			Name	O	1	
			Additional Name Information	O	2	
			Address Information	O	2	
			Geographic Location	O	1	
			Reference Numbers	O	12	
Not Used	070	PER	Administrative Communications Contact	O	3	
Must Use	080	MSG	Message Text	M	100000	

Summary:

	Pos. No.	Seg. ID	<u>Name</u>	Req. Des.	<u>Max.Use</u>	Loop Repeat	Notes and Comments
Must Use	010	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		864 X12.34 Text Message	
Must Use	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>Use to transmit a unique number assigned by the originator of the transaction set. The number may be system generated. This same number will be cited in SE02.</i>	

Segment: **BMG** Beginning Segment For Text Message
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Text Message Transaction Set
Syntax Notes:
Semantic Notes:
Comments: 1 BMG02 contains the message subject.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BMG01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
		00	Original	
			<i>Use to indicate an original transmittal.</i>	
		01	Cancellation	
			<i>Use to indicate the cancellation of a previously transmitted text message.</i>	
		07	Duplicate	
			<i>Use to indicate the re-transmission of a previously transmitted text message.</i>	
		11	Response	
			<i>Use to indicate a reply to an 864 transaction set. When used, cite code TN in REF01 of the 1/REF/080 segment and identify the unique number of the 864 transaction set to which this transaction set is responding in REF02.</i>	
		22	Information Copy	
			<i>Use to indicate an information copy of the original text message. This information copy may be sent to parties other than those for whom the original is intended.</i>	
	BMG02	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Use to provide a brief, overall subject of the text message.</i>	
Not Used	BMG03	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	

Segment:	DTM Date/Time Reference
Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required. 2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary					
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>	
	<u>Des.</u>	<u>Element</u>			
Must Use	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			097 Transaction Creation		
			<i>Use to indicate the date the transaction set was created.</i>		
	DTM02	373	Date	X	DT 6/6
			Date (YYMMDD)		
	DTM03	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
			<i>Time is always expressed as local time.</i>		
Not Used	DTM04	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
Not Used	DTM05	624	Century	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
Not Used	DTM07	1251	Date Time Period	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	N1 Name
Position:	040
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<p><i>1. Whenever possible, identification and address information should be provided using N101, N103, and N104. Use N102 and segments N2 through N4, as applicable, when the address cannot be provided using one of the codes listed in N103.</i></p> <p><i>2. There must be two iterations of the N1 loop. One iteration will be used to identify the party sending the message and the second iteration to identify the party to whom the text message is being sent.</i></p>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
		FR	Message From	
			<i>Use to indicate the party sending the text message.</i>	
		TO	Message To	
			<i>Use to indicate the party to whom the text message transaction set is being sent.</i>	
N102	93	Name		X AN 1/35
		Free-form name		
N103	66	Identification Code Qualifier		X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
			<i>While the federal EDI program uses the DUNS number, other government users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases to new procurement actions.</i>	

1	D-U-N-S Number, Dun & Bradstreet
	<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>
10	Department of Defense Activity Address Code (DODAAC)
	<i>Use to indicate either a Department of Defense or Civilian Agency Activity Address Code.</i>
21	Health Industry I.D. Number (HIN)
33	Commercial and Government Entity (CAGE)
46	Electronic Transmitter Identification Number (ETIN)
	A unique number assigned to each transmitter and software developer
A2	Military Assistance Program Address Code (MAPAC)
	Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity
EI	Employee Identification Number
FA	Facility Identification
	<i>This code will be deleted if a business case is not identified for its continued use.</i>
FI	Federal Taxpayer's Identification Number
MC	Medicaid Provider Number
	Number assigned to a health care provider for submitting claims covered by medicaid benefits
MP	Medicare Provider Number
	Number assigned to a health care provider for submitting claims covered by Medicare benefits
MR	Medicaid Recipient Identification Number
	Unique identification number assigned to each member covered under a subscriber's contract

	N104	67	Identification Code	X	AN 2/20
			Code identifying a party or other code		
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
Not Used	N106	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		

Segment: **N2 Additional Name Information**
Position: 050
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N201	93	Name	M AN 1/35
			Free-form name	
	N202	93	Name	O AN 1/35
			Free-form name	

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N301	166	Address Information	M AN 1/35
			Address information	
	N302	166	Address Information	O AN 1/35
			Address information	

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment:	REF Reference Numbers
Position:	080
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	<p><i>1. Use this segment to provide reference numbers that identify other transaction sets or documents, e.g., contracts, invoices, progress payments, etc. to which this transaction set applies.</i></p> <p><i>2. At least 1 REF segment is required citing code ME in REF01.</i></p> <p><i>3. When this transaction set is sent in conjunction with another transaction set, e.g., an 840, the unique reference number of that transaction set must be cited in REF02 with REF01 citing code TN. This is required to cross reference the transaction sets.</i></p>

Data Element Summary			
	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>
Must Use	REF01	128	Reference Number Qualifier
			Code qualifying the Reference Number.
			<i>ANY CODE MAY BE USED to identify a document or some other reference number to which the information transmitted in this transaction set applies. The following is a preferred list of codes:</i>
			<i>11 Account Number</i>
			<i>12 Billing Account</i>
			<i>14 Master Account Number</i>
			<i>2F Consolidated Invoice Number</i>
			<i>2G Amendment</i>
			<i>Includes modifications.</i>
			<i>2S Catalog</i>
			<i>2Y Wage Determination</i>
			<i>AW Air Waybill Number</i>
			<i>BL Bill of Lading</i>
			<i>Use to indicate either a commercial or Government Bill of Lading</i>
			<i>C7 Contract Line Item Number</i>
			<i>CT Contract Number</i>
			<i>Use to indicate the purchase order number, contract number (including</i>

Federal Supply Schedules, GSA Schedules and all other basic contracts), BPA number, Grant, Lease or Agreement number. This is never the number of a delivery order, call or release against a basic award instrument.

IV *Seller's Invoice Number*

KS *Solicitation*

ME *Message Address or ID*

Use to indicate the unique number of this transmission.

NR *Progress Payment Number*

PR *Price Quote Number*

RE *Release Number*

Use to indicate the number of a release, call or delivery order against a basic award instrument.

SI *Shipper's Identifying Number for Shipment (SID)*

TN *Transaction Reference Number*

Use to indicate the unique number of the transaction set being referenced in the instant text message. Each transaction set has a unique number assigned. Appendix A identifies where this unique number is found in the more commonly used transaction sets. When used, identify the transaction set number in REF03.

Refer to 003050 Data Element Dictionary for acceptable code values.

REF02	127	Reference Number	X AN 1/30
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Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

REF03	352	Description	X AN 1/80
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A free-form description to clarify the related data elements and their content

1. Use to further identify, if necessary, the number cited in REF02.

2. When REF01 is code TN, the transaction set number to which the number in REF02 applies MUST be identified in this data element.

Segment: **PER Administrative Communications Contact**

Position: 090

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:**Comments:****Notes:**

Use to indicate the name and/or communication numbers for either an information point of contact at the location where the transaction set was originated, the contractor party certifying a request for a progress payment, or the party who is to receive this transmission. When used, there must be provided either a name, or a communication number, or both.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	Contact Function Code		M ID 2/2
				Code identifying the major duty or responsibility of the person or group named	
			CE	Certifier	
				<i>Use to indicate the name and communication number of the party who provided a certification.</i>	
			IC	Information Contact	
				<i>Use to indicate the party at the senders location.</i>	
			RE	Receiving Contact	
				<i>Use to indicate the party at the receiving location who is to receive this transmission.</i>	
	PER02	93	Name		O AN 1/35
				Free-form name	
				<i>Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for first name. If necessary, use PER09 to provide the party's title</i>	
	PER03	365	Communication Number Qualifier		X ID 2/2
				Code identifying the type of communication number	
			AU	Defense Switched Network	
				Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

		ED	Electronic Data Interchange Access Number	
		EM	Electronic Mail	
		FT	Federal Telecommunications System (FTS)	
		FX	Facsimile	
		IT	International Telephone	
			<i>Include the country code.</i>	
		TE	Telephone	
			<i>Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.</i>	
PER04	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		<i>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.</i>		
		AU	Defense Switched Network	
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		ED	Electronic Data Interchange Access Number	
		EM	Electronic Mail	
		EX	Telephone Extension	
			<i>Use only if PER03 is used citing code AU, FT, or TE.</i>	
		FT	Federal Telecommunications System (FTS)	
		FX	Facsimile	
		IT	International Telephone	
			<i>Include the country code.</i>	
		TE	Telephone	
			<i>Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.</i>	
PER06	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
PER07	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		<i>Use to identify a third communications number for the party cited in PER02.</i>		

		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
		ED	Electronic Data Interchange Access Number
		EM	Electronic Mail
		EX	Telephone Extension <i>Use only if PER05 is used citing code AU, FT, or TE.</i>
		FT	Federal Telecommunications System (FTS)
		FX	Facsimile
		IT	International Telephone <i>Include the country code.</i>
		TE	Telephone <i>Use to indicate the commercial telephone number of the individual cited in PER02. Include the area code.</i>
PER08	364	Communication Number	X AN 1/80 Complete communications number including country or area code when applicable
PER09	443	Contact Inquiry Reference	O AN 1/20 Additional reference number or description to clarify a contact number <i>Use, if necessary, to provide the title of the party cited in PER02.</i>

Segment: **MIT** Message Identification
Position: 010
Loop: MIT Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify the beginning of a specific message and to allow the identification of a subject for the message

Syntax Notes:

Semantic Notes: 1 MIT01 contains the message number.
 2 MIT02 contains the message subject.

Comments: 1 MIT03 default is 80 characters.
 2 MIT04 default is 66 lines.

Notes: *Use this segment to identify a more detailed subject of the text message*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	MIT01	127 Reference Number	M AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
		<i>A unique number assigned by the originator of the transaction set to identify multiple messages contained within this transaction set. For example, the number 001 can be used to refer to a message with the subject Packaging Requirements cited in MIT02; the number 002 can be used in another iteration of this MIT segment to identify a second message with the subject, Testing Procedures cited in MIT02.</i>	
	MIT02	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		<i>Use to provide the subject of the message.</i>	
Not Used	MIT03	931 Page Width	O N0 1/3
		Definition of the maximum number of characters per line that can be expected in the message text	
Not Used	MIT04	932 Page Length Lines	O N0 1/3
		Definition of the maximum number of lines per page that can be expected in the message text	

Segment:	MSG Message Text
Position:	080
Loop:	MIT Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	100000
Purpose:	To provide a free form format that would allow the transmission of text information.
Syntax Notes:	
Semantic Notes:	
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes:	<i>Use the full 264 character capability of data element 933 (MSG01) unless specifically advised by a trading partner to limit the length of any one iteration of the segment to 80 characters.</i>

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	MSG01	933 Free-Form Message Text Free-form message text	M AN 1/264
	MSG02	934 Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **SE** Transaction Set Trailer
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one in ST02.</i>	